

DOD-IR-96

- (a) Please identify, by amount and account, all consultant costs that HECO has included in 2009 expenses.
- (b) For each item identified in response to part a, please also provide the following information:
 - (1) a copy of the related contract,
 - (2) an explanation of the scope of work,
 - (3) the total anticipated charges by calendar year,
 - (4) a description of any amortization period proposed by HECO;
 - (5) a description of whether and how the consulting services provide any benefits to HECO's affiliates; and
 - (6) calculations showing the allocation of such costs between HECO and its affiliates.

HECO Response:

HECO objects to this information request as unduly burdensome, onerous and overly-broad to the extent that it requests "all consultant costs that HECO has included in 2009 expenses." (As described below and in some of the witnesses' responses to this information request, the witnesses and/or their support staffs had to review voluminous information and spend significant amounts of time in order to respond to this information request.) In addition, HECO objects to the information request as it is vague and ambiguous to the extent that the term "consultant" is not defined in the request. Without waiving the foregoing objections, HECO provides the following response.

For purposes of responding to this information request, HECO uses the term "consultant costs" to mean estimated test year expenses for specialists in discrete areas of expertise who provide consulting services, as opposed to independent contractors providing services of a more general nature. Consulting services generally require independent analysis, judgment, technical knowledge, experience and practical application and expertise in the area of work for which a consultant is engaged. A consultant's work product often reflects the consultant's opinion, and

provides recommendations to HECO on what actions should be taken, how the actions should be implemented and what the expected outcomes are (if applicable). In contrast, a service provider generally performs work pursuant to a contract, for instance, where HECO lacks the internal resources to complete those tasks. Some level of specialized skill may be required, however, this skill does not necessarily reflect in depth review and independent thinking required of a consultant. The work that is done by a service contractor may be overseen and administered by a HECO representative who would make the final decision on the content and completeness of the work product.

The HECO budget includes expenses for several types of outside services, including contract labor, such as tree-trimming, services by vendors with special resources or expertise that HECO does not have in-house, and consultants who offer expert advice and possible solutions and improvements to HECO on various specialized and technical matters. There is no discrete accounting category for "consultants". Rather, expense estimates for consulting services are contained in several different expense elements along with expense estimates for all other outside services. The witnesses (and/or their support staff) had to review voluminous accounting entries for outside services expenses to determine what each outside service was being used for and which outside services were "consultants" as defined above. (For example, for the HECO T-8 response to this information request, the witness and support staff spent approximately 32 hours reviewing outside services Expense Element entries and locating and reviewing the underlying documents to determine which expense estimates were for consulting services.)

HECO has different types of contracts that it enters into that result in what may be considered "consultant costs". For example, HECO has two standard form contracts for consulting work: A Consultant Services Agreement ("CSA") (used for a single matter) and a

Consulting Services Master Agreement (“CSMA”) (used to facilitate hiring the consultant for multiple matters over time). Under the CSMA, work is contracted by issuing a Work Authorization, which incorporates the terms of the CSMA. The Work Authorization specifies the special terms relating to the particular work, such as the compensation, the scope of the work and the completion date. These consultant services agreements are used for professional consulting services, such as engineering, financial, environmental, project and business management and other consulting services. On occasion, HECO may utilize a consultant’s form of contract, such as when the consultant has specialized industry terms or practices that would not ordinarily be captured in HECO’s standard forms without extensive revisions. Consultant-version contracts will be reviewed by HECO’s Legal Department.

For all consulting work, a purchase order or service order number will be generated to facilitate payment, but the purchase order or service order do not modify the terms of the CSA or CSMA. It is also possible that some work that could be considered consulting work might be included in work performed under other HECO contracts (construction, short form or general services contracts), but those contracts are not intended to be used when the primary service is consulting services.

DOD-IR-97 asked about the contracts entered into for the provision of legal services. While some of these contracts for legal services may be considered consulting contracts, they will not be included as part of this response since they will be addressed in the response to DOD-IR-97.

The contracts are initially being provided under the protective order in this docket. Some of the information in the contracts (e.g., the rates charged) are deemed to be confidential,

proprietary information by the service provider, as well as by the HECO Companies. Public release of the information would be harmful to their competitive positions as providers or recipients of such services. At this time it is impracticable to redact only the confidential information so the contracts in their entirety are being submitted pursuant to the protective order. HECO will continue to have discussions with its consultants concerning the confidential treatment of the contracts, and if it is subsequently determined that parts of the contracts are not confidential, HECO will re-file the contracts (with the confidential information redacted to the extent practicable) and designate them as not being subject to the protective order in this docket. However, in order to submit this information at this time, HECO is filing the contracts pursuant to the protective order in this docket.

The requested information is voluminous and available for inspection at HECO's Regulatory Affairs Division office, Suite 1301, Central Pacific Plaza, 220 South King Street, Honolulu, Hawaii. Please contact Dean Matsuura at 543-4622 to make arrangements to inspect the requested information. An electronic version of the requested information is being provided on a compact disc.

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HECO Response:

Please see the general objection and response to this information request and HECO T-7

Attachment 1 for a summary of the identified professional consultant services.

- a. Consultant fees may be budgeted using the expense element 501 (outside services general), expense element 506 (outside services-engineering), and expense element 508 (outside services environmental), depending on the type of consulting services required. Included in expense element 501 are other services such as training costs, registration fees, contract services, trustee fees, phone services, water service, pager service, parking fees, license and maintenance fees, subscription fees, and other miscellaneous services, in addition to consulting services. HECO obtained all O&M expenses included in the budget for the production block of accounts (areas covered by HECO T-7) that had the expense elements 501 (outside services-general), 506 (outside services-engineering) and 508 (outside services-environmental) and reviewed to isolate which budgeted items were consultant costs. This required reviewing approximately 304 budgeted line items developed by 31 different responsibility areas to determine the consultant costs included in the budget.

Based on the information obtained and consultant costs included in the HECO T-7 rate case update to the test year estimates filed on December 12, 2008, HECO provides the requested information in Attachment 1. Attachment 1 also includes \$2,897,000 of consultant expenses for the Hawaii Clean Energy Initiative (“HCEI”) Implementation Study. Of this total, HECO proposes to recover \$2,220,000 of the expenses through the Renewable Energy Infrastructure Program (“REIP”) Surcharge proposed in Docket No. 2007-0416. The remaining \$677,000 is budgeted as research and development expense that will be used as part of the overall HCEI Implementation Study. Although HECO is willing to discuss, the Company does not propose to recover this \$677,000 amount through the REIP Surcharge. See Rate Case Update, HECO T-7, pages 2-3.

- b. 1-6. Please refer to Attachment 1 to this response. Attachments 2 to 28 are confidential and provided subject to the Protective Order filed on November 21, 2008 in this proceeding.

Dept	(a) 2009 Amt	(a) Acct	Consultant	(1) Contract (Y/N)	(2) Service Desc / Scope of Work	(3) Total Anticipated 2009 Cost	(4) Amort period (Y/N)	(5) Desc Benefits to Affiliates	(6) Calc Alloc	Comments
PSOM- PIN	\$ 74,840	NARUC 512- Maint Boiler Pit	Kendrick Consulting LLC	Y	Provide technical consulting for the March 2009 DOT O&M Audit and assist with planning and preparation for the anticipated DOT Integrated Inspection	\$ 74,840	N	Costs are not being allocated to subsidiaries.	Not applicable.	See Attachment 2 and Attachment 3 for project cost estimates and Consultant Services Master Agreement, respectively.
PSOM- PIL	\$ 25,000	NARUC 512- Maint Boiler Pit	None	N	Boiler Component Analysis - part of the tube failure reduction program	\$ 25,000	N	Costs are not being allocated to subsidiaries.	Not applicable.	
PSOM- PIX	\$ 35,000	NARUC 512- Maint Boiler Pit	None	N	Boiler Component Analysis - part of the tube failure reduction program	\$ 35,000	N	Costs are not being allocated to subsidiaries.	Not applicable.	
PSOM- PIX	\$ 50,000	NARUC 513- Maint Electric Pit	None	N	Turbine Field Service - to help troubleshoot the turbines	\$ 50,000	N	Costs are not being allocated to subsidiaries.	Not applicable.	
PSOM- PIL	\$ 36,000	NARUC 512- Maint Boiler Pit	ABB Inc.	Y	ABB Engineer - On-Site Field Services	\$ 36,400	N	Costs are not being allocated to subsidiaries.	Not applicable.	See Attachments 4, 4A and 5 for Work Authorization, Strategic Alliance Agreement, and Purchases of Goods and Services Contract, respectively.
PSOM- PIX	\$ 39,600	NARUC 512- Maint Boiler Pit	ABB Inc.	Y	ABB Engineer - On-Site Field Services	\$ 36,400	N	Costs are not being allocated to subsidiaries.	Not applicable.	See Attachments 4, 4A and 5 for Work Authorization, Strategic Alliance Agreement, and Purchases of Goods and Services Contract, respectively.
PSOM- PIL	\$ 100,000	NARUC 512- Maint Boiler Pit	Black & Veatch Corporation	Y	Remote Monitoring Diagnostics Program of HECO unit K5 - monitoring generating unit for process performance, equipment performance and equipment health using available data in PL	\$ 100,000	N	Costs are not being allocated to subsidiaries.	Not applicable.	See Attachments 6 and 7 for Work Authorizations and Attachment 8 for the Consultant Services Master Agreement.
PSOM- PIX	\$ 100,000	NARUC 512- Maint Boiler Pit	None	N	Remote Monitoring Diagnostics Program of HECO unit W5 - monitoring generating unit for process performance, equipment performance and equipment health using available data in PL	\$ 100,000	N	Costs are not being allocated to subsidiaries.	Not applicable.	None
PSED- YE	\$ 50,000	NARUC 502- Strm Exp- Operations	DataHouse	Y	Original Equipment Manufacturer (OEM) Technical Bulletins Support	\$ 82,800	N	Costs are not being allocated to subsidiaries.	Not applicable.	\$82,800 will be incurred in 2009. See Attachment 9 and Attachment 10 for Data House PO and OEM Technical Bulletins Scope of Work Document, respectively.
SysPlan- YB	\$ 25,000	NARUC 500- Operations Supr & Eng	None	N	Provide technical expertise to identify and quantify attributes needed by new supply-side resources such that they can be integrated into the grid.	\$ 25,000	N	HECO 50% MEKO 50%	HECO= 50% x \$50,000 = \$25,000	\$50K in 2009 and \$50K in 2010. See also CA-IR-2, HECO T-7, Attachment 17, Page 4.
SysPlan- XB	\$ 75,000	NARUC 557- Oth Pwr Supply Exp- Operations	Merrimack	Y	Competitive Bidding Consultant	\$ 75,000	N	Costs are not being allocated to subsidiaries.	Not applicable.	Ref CA-IR-215. See Attachment 11 and Attachment 12 for Work Authorization and Consultant Services Master Agreement, respectively. 2009 anticipated cost is sum of \$25K for Ph III and \$50K for Ph IV.
SysPlan- XB	\$ 75,000	NARUC 557- Oth Pwr Supply Exp- Operations	None	N	Competitive Bidding Consultant	\$ 75,000	N	Costs are not being allocated to subsidiaries.	Not applicable.	Ref CA-IR-215

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SysPlan- XB	\$ 75,000	NARUC 557- Oth Pwr Supply Exp- Operations	None	N	Competitive Bidding Consultant	\$ 75,000	N	Costs are not being allocated to subsidiaries.	Not applicable.	Ref CA-IR-215
SysPlan- HCEI	\$ 900,000	NARUC 546- Oth Pwr Gen- Operations	See Comments	See Comments	See Comments -- more description...	\$ 900,000	Propose recovery thru REIP Surcharge	Costs are not being allocated to subsidiaries.	Not applicable.	See Rate Case Update, HECO T-7 and CA-IR-287. Consultant Services Master Agreement with Electric Power Systems ("EPS"), Attachment 13.
PS&D-HCEI	\$ 400,000	NARUC 546- Oth Pwr Gen- Operations	See Comments	See Comments	See Comments -- more description...	\$ 400,000	Propose recovery thru REIP Surcharge	Costs are not being allocated to subsidiaries.	Not applicable.	See Rate Case Update, HECO T-7 and CA-IR-287. Consultant Services Master Agreement with Stanley Consultants, Attachment 14.
Environ- HCEI	\$ 20,000	NARUC 546- Oth Pwr Gen- Operations	Jim Clary & Assoc	Y	Work is for air permitting impacts/evaluation related to future projects and initiatives mentioned in the HCEI which will promote sharing the grid with more renewable as-available sources	\$ 20,000	Propose recovery thru REIP Surcharge	Costs are not being allocated to subsidiaries.	Not applicable.	See Rate Case Update, HECO T-7. See Attachment 15 for Jim Clary & Associates, Inc. Consultant Services Master Agreement. See Work Authorization #100 (Attachment 15A) Contract PJB-09-019 (HCEI).
Energy Solutions- HCEI	\$ 677,000	NARUC 9302- A&G- Misc Gen Exp	See Comments	See Comments	GE Wind Study	\$ 677,000	N	Costs are not being allocated to subsidiaries.	Not applicable.	See Rate Case Update HECO T-7, T-14 and CA-IR-161.
PSOM- HCEI	\$ 700,000	NARUC 546- Oth Pwr Gen- Operations	See Comments	See Comments	See Comments -- HCEI Studies	\$ 700,000	Propose recovery thru REIP Surcharge	Costs are not being allocated to subsidiaries.	Not applicable.	See Rate Case Update, HECO T-7 and CA-IR-287. Consultant Services Master Agreements with EPS and General Services with Master Agreement with CS Squared. See Attachments 13, and 16, respectively. See Attachment 17 for the Purchase Order with ABB, Inc. for \$36,516, for Dynamic Response Kahe Unit Tuning. See ABB Purchase of Goods and Services Contract, Attachment 5.
System Operations- HCEI	\$ 200,000	NARUC 546- Oth Pwr Gen- Operations	KEMA	Y	EMS Evaluation for High Penetration of Variable (Intermittent) Generating Resources, Load Management Resources and Energy Storage.	\$ 200,000	Propose recovery thru REIP Surcharge	Costs are not being allocated to subsidiaries.	Not applicable.	See Rate Case Update HECO T-7 and CA-IR-287. See also Attachment 18 and Attachment 19 for the Amendment No. 1 to the Consultant Services Master Agreement and Work Authorization, respectively.
Energy Proj- NG	\$ 23,000	NARUC 546- Oth Pwr Gen- Operations		N	Consulting services to assist with the development of a green pricing tariff	\$ 23,000	N	Costs are not being allocated to subsidiaries.	Not applicable.	
Energy Proj- NG	\$ 15,761	NARUC 551- Oth Pwr Gen- Maint Supv & Eng	None	N	Consulting services to assist with the evaluation of new distributed generation projects	\$ 15,760	N	Costs are not being allocated to subsidiaries.	Not applicable.	\$15,760 (2009) \$16,153 (2010)

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Energy Proj-NG	\$ 25,000	NARUC 546- Oth Pwr Gen- Operations	None	N	Consulting services to assist with the development of the PV Host program	\$ 25,000	N	Alloc 80% Heco, 10% ea MECO & HELCO	refer to (5)	See Rate Case Update HECO T-7 and CA-IR-296 for proposed allocation adjustment
Energy Proj-NG	\$ 75,000	NARUC 546- Oth Pwr Gen- Operations	None	N	Consulting services to assist with the preparation of an application to the PUC requesting approval of the PV Host program	\$ 75,000	N	Alloc 80% Heco, 10% ea MECO & HELCO	refer to (5)	See Rate Case Update HECO T-7 and CA-IR-296 for proposed allocation adjustment
Environ-JA	\$ 5,016	NARUC 506- Misc Stm Pwr Exp- Operations	E2 ManageTech, Inc. (formerly EDSG)	New CSMA ¹ with E2 being routed for internal signature. Consultant cost proposal for annual support due by 3/1/09.	Annual Application Support for EMIS Task Manager Module	\$ 5,016	N	Alloc 60% Heco, 20% ea MECO & HELCO	HECO= 60% x \$8,360 = \$5,016	
Environ-JA	\$ 30,096	NARUC 506- Misc Stm Pwr Exp- Operations	E2 ManageTech, Inc. (formerly EDSG)	Y	Design Work for Other EMIS Modules (determining module needs and associated costs)	\$ 39,000	N	Alloc 60% Heco, 20% ea MECO & HELCO	HECO= 60% x \$65,000 = \$39,000	Work actually began in 2008 and is still in progress. Original budget of \$30,096 was based on a 2006 cost estimate. Actual cost estimate for design work turned out to be \$65,000. See contract no. PJA-08-033, Attachment 20.
Environ-JA	\$ 56,430	NARUC 506- Misc Stm Pwr Exp- Operations	E2 ManageTech, Inc. (formerly EDSG)	Proposal for implementation pending selection of next module.	Software Implementation Costs for Next Module	\$ 56,430	N	Alloc 60% Heco, 20% ea MECO & HELCO	HECO= 60% x \$94,050 = \$56,430	
Env	\$ 492,000	NARUC 500- Operations Supr & Eng	See Comments	See Comments	See Comments	\$ 492,000	N	Costs are not being allocated to subsidiaries.	Not Applicable	See HECO-740.
Env	\$ 6,000	NARUC 506- Misc Stm Pwr Exp- Operations	None - contact pending	N	Budget is for consultant support for training and facilitation of the NPREP Program. This item will likely be redirected to consultant costs for the completion of substation spill prevention plans	\$ 6,000	N	Costs are not being allocated to subsidiaries.	Not Applicable	Contract Pending
Env	\$ 20,000	NARUC 506- Misc Stm Pwr Exp- Operations	Brown and Caldwell	N	Budget is for Brown and Caldwell to conduct the Well Status testing as required by the Underground Injection Control permit.	\$ 20,000	N	Costs are not being allocated to subsidiaries.	Not Applicable	Contract Pending
Env	\$ 42,000	NARUC 506- Misc Stm Pwr Exp- Operations	Jim Clary & Associates Inc.	Y	Miscellaneous support in 2009 (\$35K)	\$ 42,000	N	Costs are not being allocated to subsidiaries.	Not Applicable	See Attachment 15 for Consultant Services Master Agreement. See Work Authorization #96 (Attachment 21), PJB-09-015 (Misc services).

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Env	\$ 37,000	NARUC 506- Misc Stm Pwr Exp- Operations	Jim Clary & Associates Inc.	Y	Regional Haze for 2009 (\$8K) & Waiau Air Compliance for 2009 (\$13K)	\$ 37,000	N	For Work Authorization PJB-09-018: 50% - HECO, 30% - HELCO, 20% - MECO	See (5)	See Attachment 15 for the Consultant Services Master Agreement. See Work Authorizations #99 (Attachment 22) PJB-09-018 (Regional Haze) & #94 (Attachment 23) PJB-09-013 (Air Compliance).
Env	\$ 37,000	NARUC 506- Misc Stm Pwr Exp- Operations	Jim Clary & Associates Inc.	Y	Regional Haze for 2009 (\$8K) & Kahe Air Compliance for 2009 (\$13K) and Kahe Permit Renewal (\$7.5k)	\$ 37,000	N	For Work Authorization PJB-09-018: 50% - HECO, 30% - HELCO, 20% - MECO	See (5)	See Attachment 15 for the Consultant Services Master Agreement. See Work Authorizations #99 (Attachment 22) PJB-09-018 (Regional Haze), #95 (Attachment 24) PJB-09-014 (Air Compliance) & #97 (Attachment 25) PJB-09-016 (Kahe Permit Renewal for 2009).
Env	\$ 20,000	NARUC 548- Other Power Generation - Generation Exp - Operations	Brown & Caldwell	N	Budget is for Brown and Caldwell to conduct the Well Status testing as required by the Underground Injection Control permit.	\$ 20,000	N	Costs are not being allocated to subsidiaries.	Not Applicable	Contract Pending
Env	\$15,000	NARUC 506- Misc Stm Pwr Exp- Operations	Potential Consultant's name is: Records Management Resources	N	Consultants costs for organizing historical records and consolidating air records into one system. This work has not been contracted yet.	\$ 15,000	N	Costs are not being allocated to subsidiaries.	Not Applicable	Contract Pending
Env	\$12,000	NARUC 506- Misc Stm Pwr Exp- Operations	Jim Clary & Associates Inc.	Y	Honolulu Air Compliance for 2009 (\$13K), Region Haze 2009 (\$4k), Honolulu Permit Renewal (\$7.5k)	\$ 24,500	N	50% - HECO, 30% - HELCO, 20% - MECO	See (5)	See Attachment 15 for the Consultant Services Master Agreement. See Work Authorizations #93 (Attachment 26) PJB-09-012 (Air Compliance), #99 (Attachment 22) PJB-09-018 (Regional Haze) & #98 (Attachment 27) PJB-09-017 (Honolulu Permit Renewal for 2009)
Env	\$ 18,700	NARUC 506- Misc Stm Pwr Exp- Operations	Environmental Assessment, LLC	Y	Budget is for Environmental Assessment, LLC to conduct the Whole Effluent Toxicity Tests (WETT), as required by the Facility's NPDES Industrial Wastewater Discharge Permit. Budget is also for Environmental Assessment, LLC to conduct biennial BBCM and prepare report as required by NPDES permit.	\$ 24,700	N	Costs are not being allocated to subsidiaries.	Not Applicable	See Attachment 28 which includes these Work Authorizations: Env Assessment WA No. 21 JW-08-014 1/15/09 \$7,500; Env. Assessment WA No. 23 JW-08-014 1/15/09 \$4,800; Env Assessment WA No. 25 JW-08-014 1/22/09 \$5,300; Env Assessment WA No. 27 JW-08-014 \$7,100.

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Env	\$ 31,800	NARUC 506- Misc Stm Pwr Exp- Operations	Environmental Assessment, LLC & AECOS	Y	Part of the budget is for Environmental Assessment, LLC to conduct the Whole Effluent Toxicity Tests (WETT), as required by the Facility's NPDES Industrial Wastewater Discharge Permit. The remaining budget (~\$16k) is for AECOS to conduct the Coral Study and prepare the Marine Monitoring Report, as required by the NPDES permit.	\$ 33,400	N	Costs are not being allocated to subsidiaries.	Not Applicable	See Attachment 28 which includes these Work Authorizations: Env. Assess. WETT WA No. 22 JW-08- 141/15/09 \$14,700 AECOS WA No. 12 JW-04-04 10/9/08 (WA good thru March 2009; New WA to be issued for remainder of 2009) \$18,700
Env	\$ 45,000	NARUC 506- Misc Stm Pwr Exp- Operations	Environmental Assessment, LLC	N	Budget is for Environmental Assessment to conduct the 316(a) studies and prepare the reports.	\$ 45,000	N	Costs are not being allocated to subsidiaries.	Not Applicable	Contract Pending
Env	\$ 22,550	NARUC 506- Misc Stm Pwr Exp- Operations	Environmental Assessment, LLC	Y	Budget is for Environmental Assessment to conduct the fish monitoring efforts and prepare the reports.	\$ 22,206	N	Costs are not being allocated to subsidiaries.	Not Applicable	See Attachment 28 which includes Work Authorization 24.

**Confidential Information Deleted
Pursuant To Protective Order, Filed on
November 21, 2008.**

DOD-IR-96
DOCKET NO. 2008-0083
HECO T-7
ATTACHMENTS 2-28

Attachments 2 to 28 contain confidential information and are provided subject to
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